Fall 2024

Geometry and Topology Seminar

Title

From Thurston norm to geodesic laminations and fibered geometry

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Date:	November 14, 2024
Time:	10:30AM
Tencent Meeting:	890-686-6792, Password: 202411

Abstract: Last time, we explored the connection between the Thurston norm and the geometry of the level sets of a circle-valued maps. This gives an application which is a lower bound of the Thurston norm in terms of the length of the closed geodesic. This time we explore the transverse geometry of circle-valued maps, which relate the Thurston norm with geodesic laminations of best Lipschitz maps. As an application, we relate the geometry of a fibered hyperbolic 3-manifold and the pseudo-Anosov entropy.